

CONTROLPROGESS

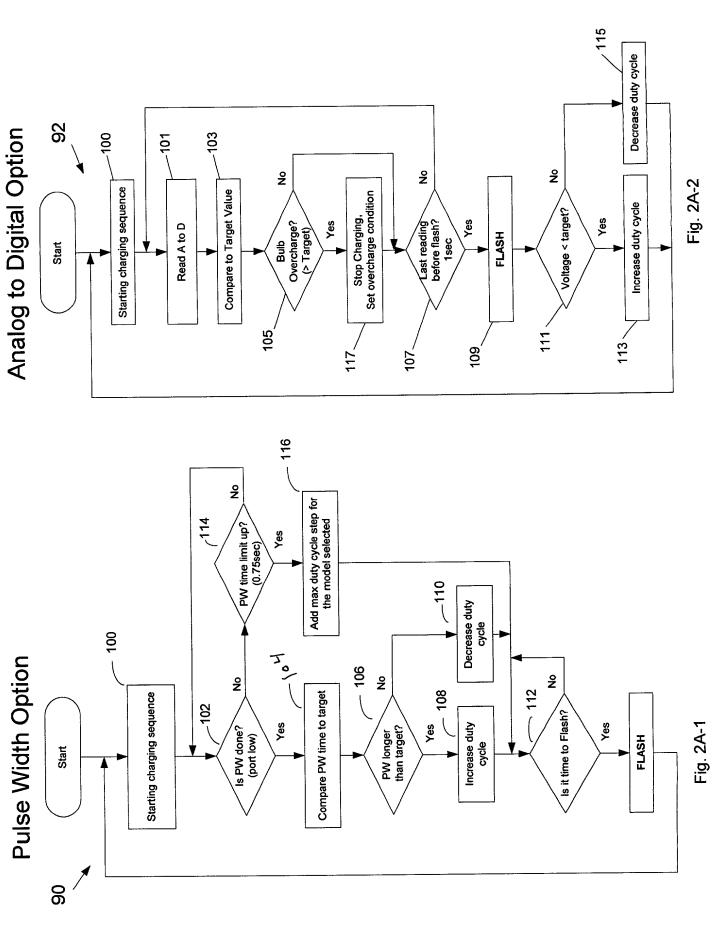


Fig. 2B

Detail Operation Of Candela Searching

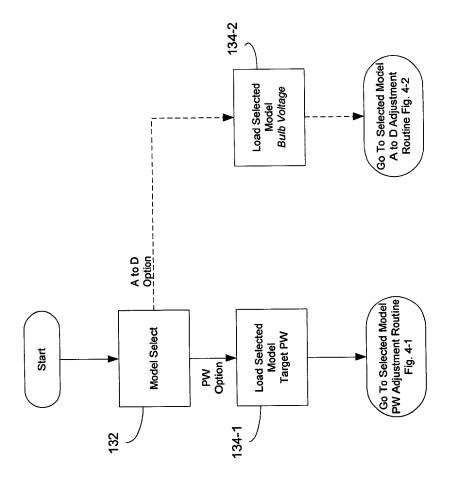
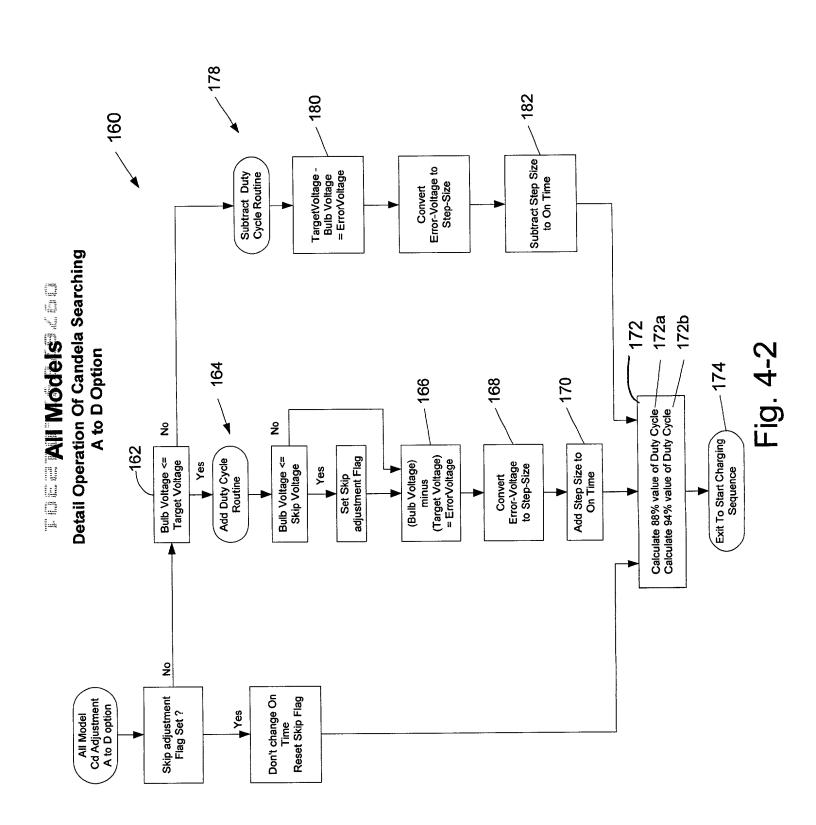
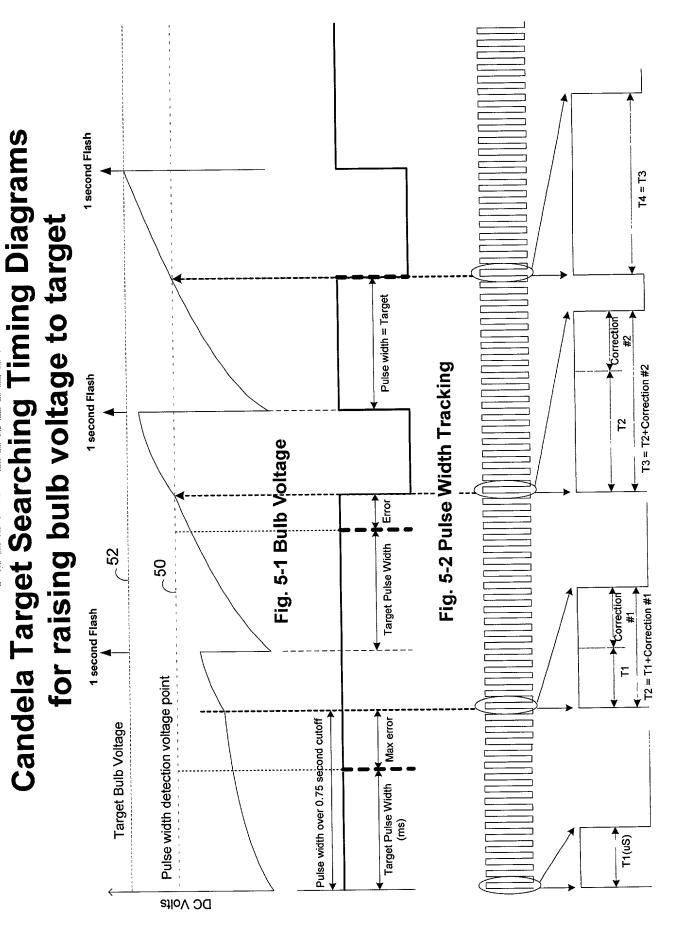


Fig. 3

Subtract Low step usec from Duty Cycle 150b-2 150b -150b-1 ŝ Subtract Medium step usec from Duty Cycle Target PW -PW Timer > Medium Limit ≺es msec? 2 Target PW PW Timer > High Limit msec? Subtract High step usec from Duty Subtract Duty Cycle Routine -146b 146a 146 Detail Operation Of Candela Searching Yes Cycle 148 Calculate 88% value of Duty Cycle-Calculate 94% value of Duty Cycle-Exit To Look-for- Flash Routine STE P All Models Add Low step usec to Duty Cycle **PW Option** 150a-2 150a - 150a-1 ŝ Add med step usec to Duty Cycle PW Timer -Target PW > Medium Limit Yes msec? 2 ŝ Target PW > High Limit msec? Add high step usec to Duty Cycle Add Duty Cycle Routine PW Timer > Target PW ? PW Timer -Υes Yes 2 Add Max step usec to Duty Cycle PW Timer > Max allowed time? All Model Cd Adjustment Yes 44 44

Fig. 4-1





Pulse Width Option:

Fig. 5-3 Charging Driver Signal note: wave form expanded to show detail

Candela Target Searching Timing Diagrams 1 second Flash for lowering bulb voltage to target Pulse width = Target Pulse Width Option: Fig. 6-2 Pulse Width Tracking 1 second Flash Correction#2 Fig. 6-1 Bulb Voltage T3 = T2-Correction #2 Error Target Pulse Width r2 = T1-Correction Correction#1 Pulse Width 1 second Flash Pulse width detection voltage point Target Pulse Width (ms) Error Target Bulb Voltage T1(uS) T1 PW(ms) DC Volts

Fig. 6-3 Charging Driver Signal note: wave form expanded to show detail

Candela Target Searching Timing Diagrams for raising bulb voltage to target Analog to Digital option:

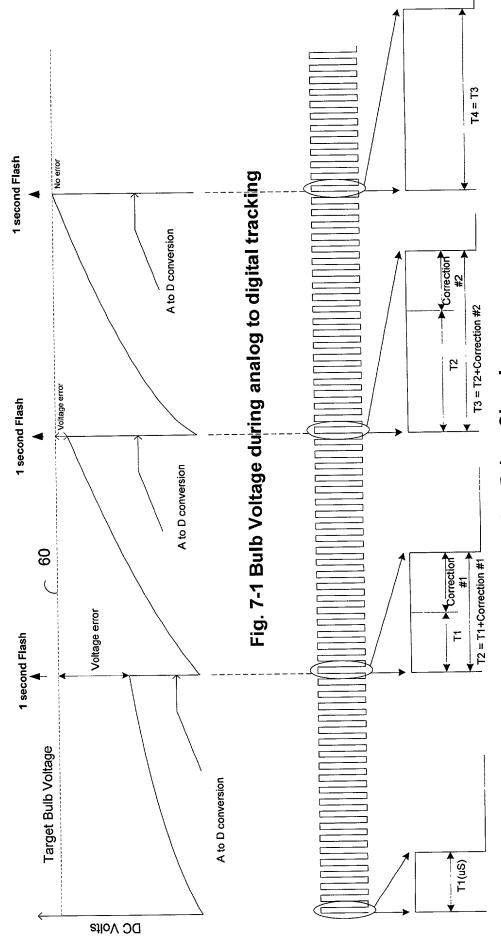


Fig. 7-2 Charging Driver Signal note: wave form expanded to show detail

Candela Target Searching Timing Diagrams for lowering bulb voltage to target Analog to Digital Option:

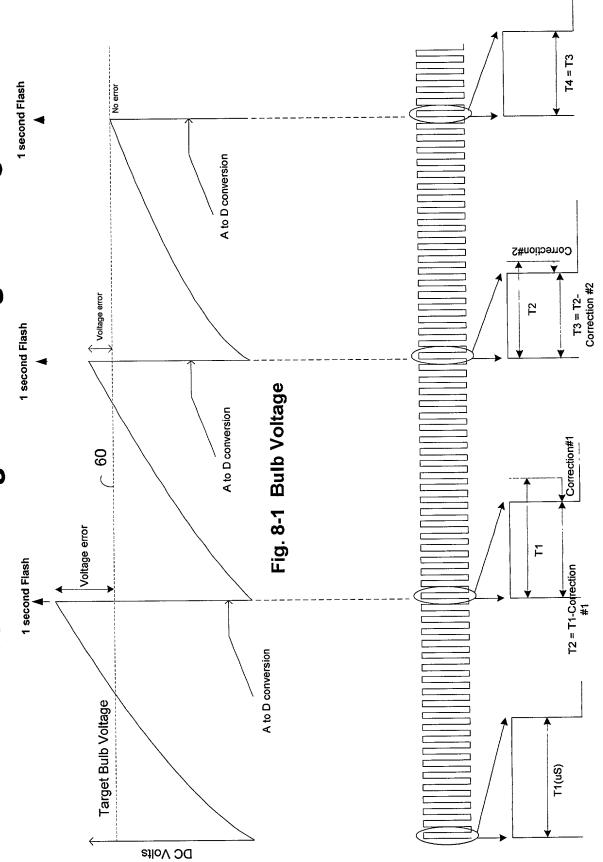


Fig. 8-2 Charging Driver Signal note: wave form expanded to show detail

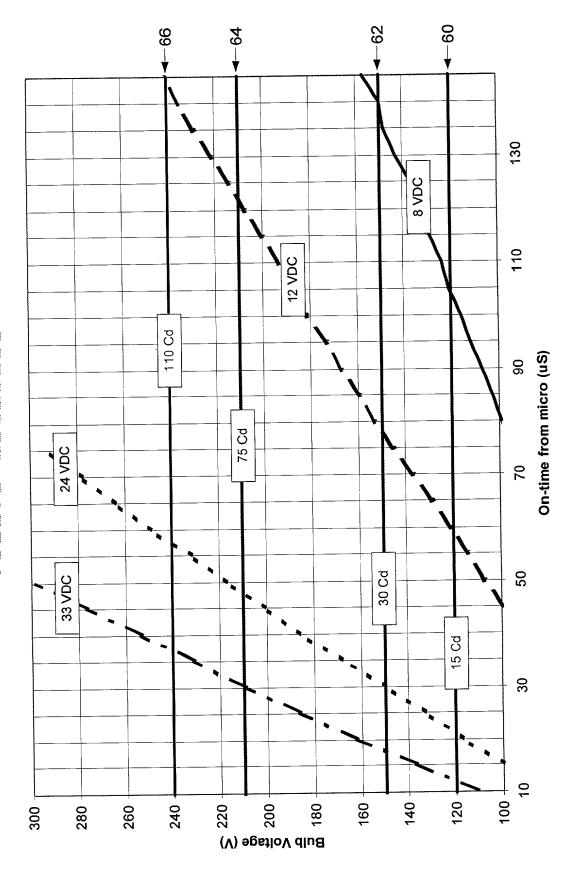


Fig 9. MultiCandela Bulb Voltage vs On-time for different input voltage

Inrush Control And Candela Searching Multi Candela Timing Reference For

